

FIG.2

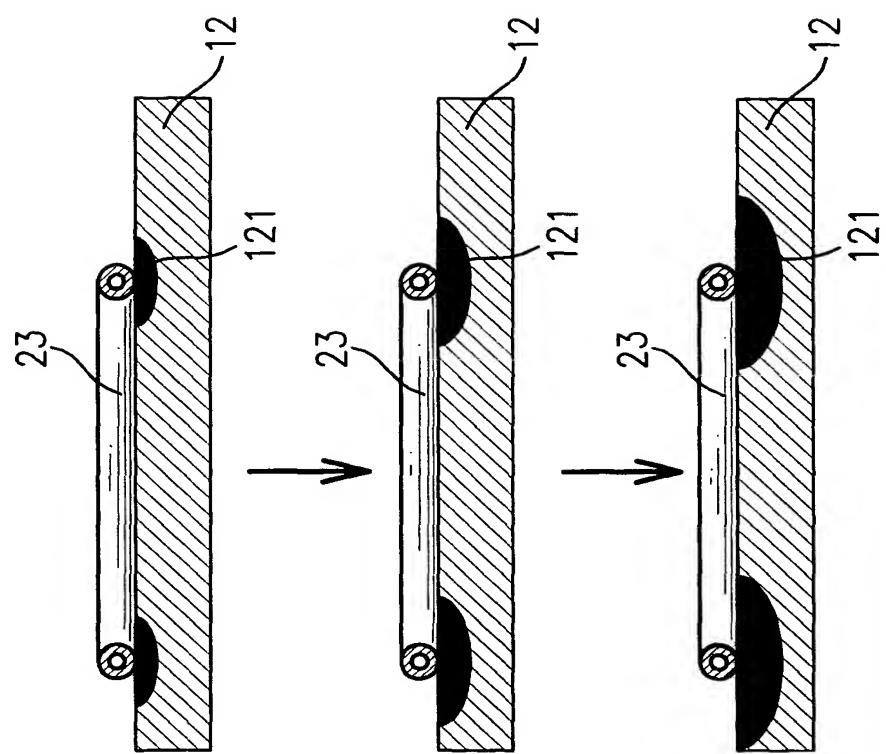


FIG.3

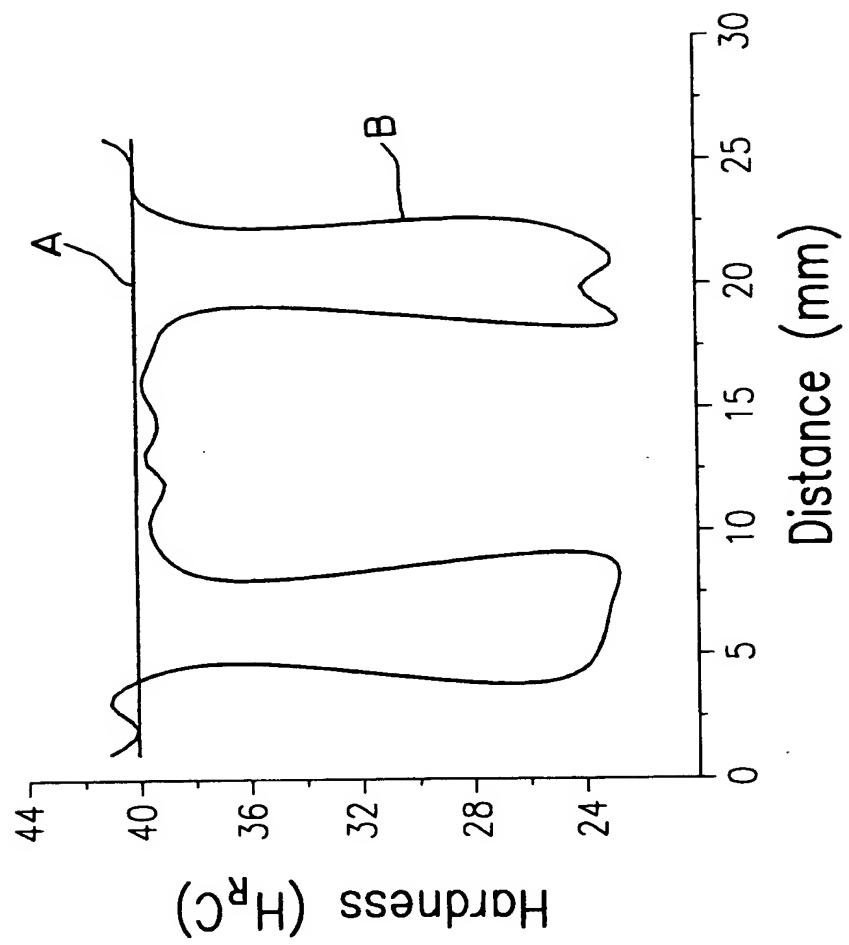


FIG.4

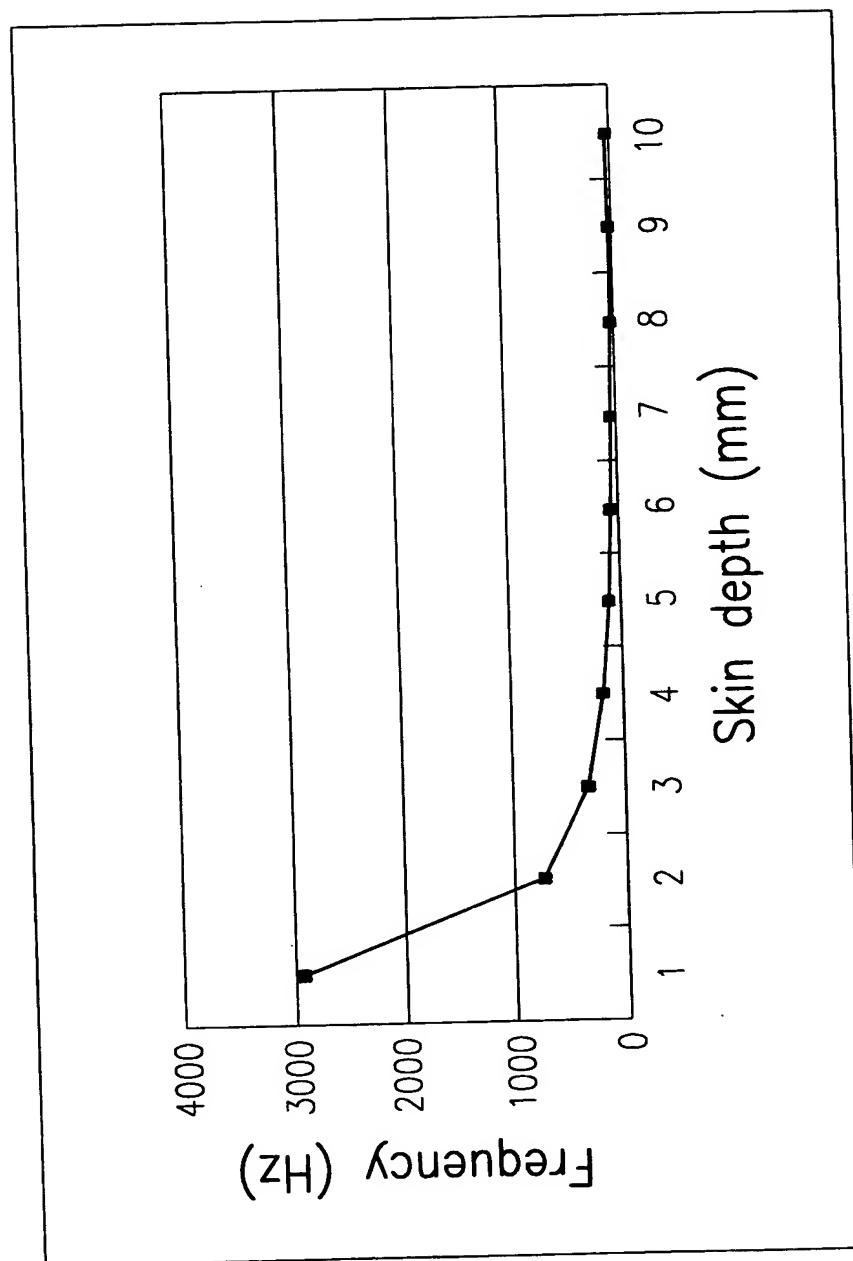


FIG.5

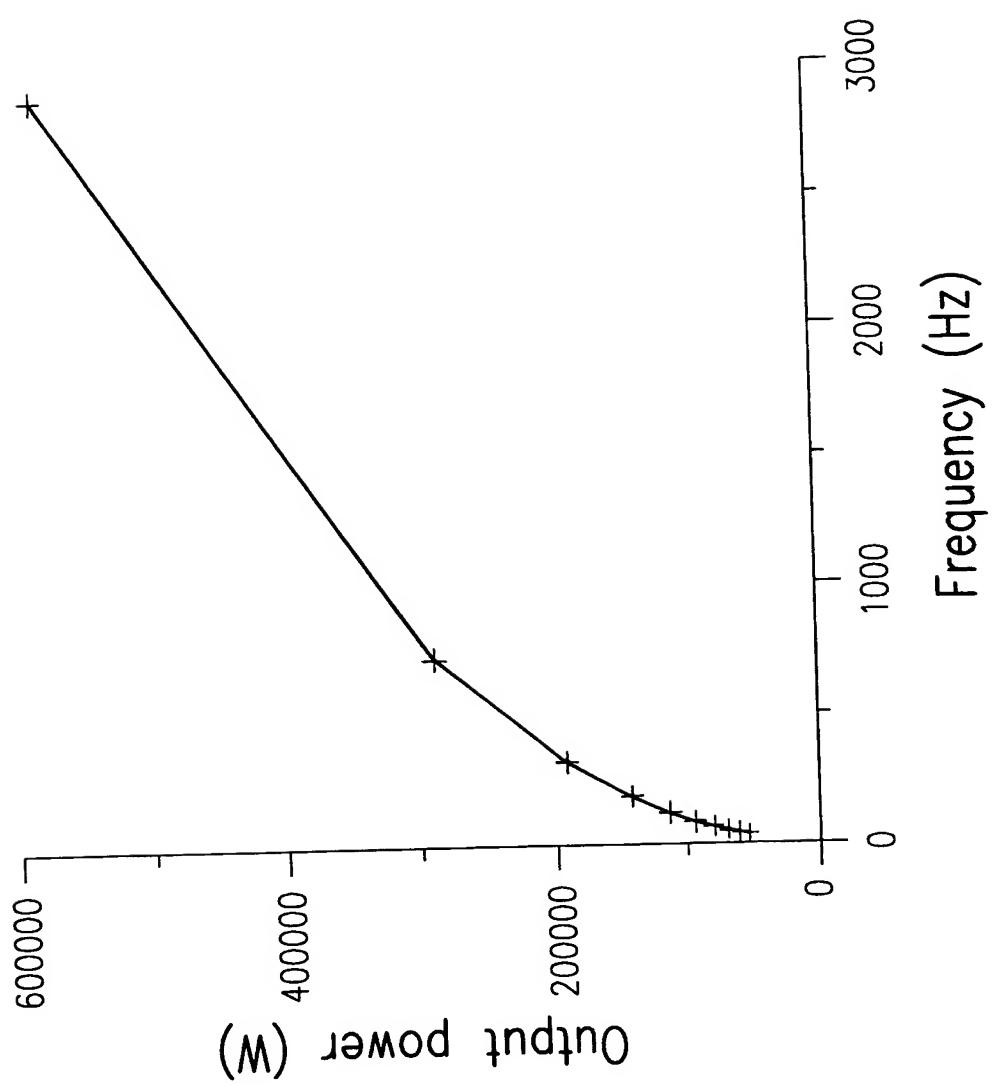


FIG.6

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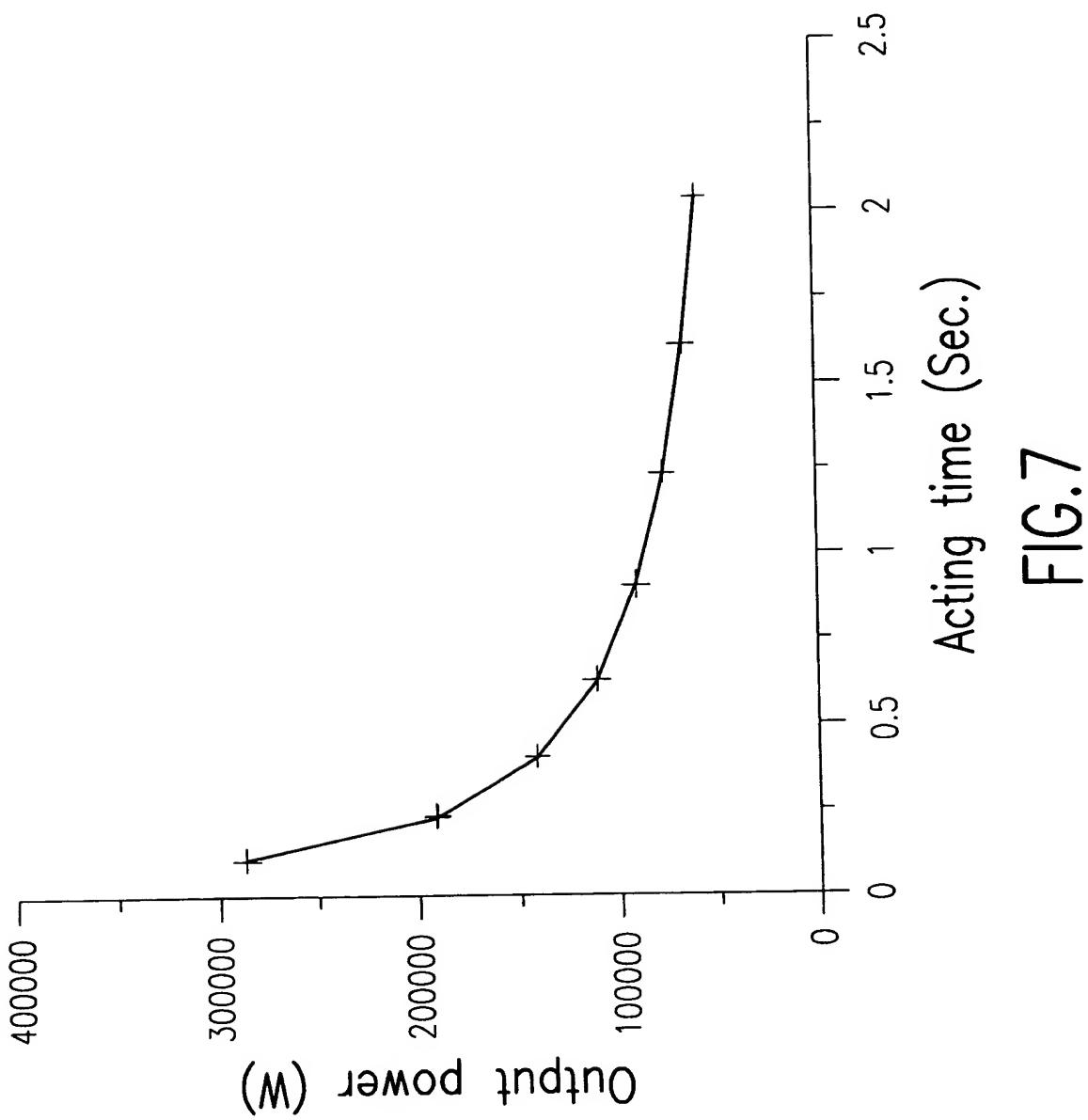


FIG.7

ITEM COMPONENT	THICKNESS OF THE STRIKING PLATE (MM)	OUTPUT POWER OF HIGH-FREQUENCY CURRENT (KW)	HIGH-FREQUENCY ACTING TIME (S)	HARDNESS (H <sub>K</sub> C)		COR	RESULT	
				SWEET SPOT	SOFTEN REGION			
1	TITANIUM (Ti) ALLOY (Ti-20V-4Al-1Si)	2.5 ~ 2.6	0	0	38 ~ 42	0.8455	ACCEPT	
2		60	4	37 ~ 41	23 ~ 25	0.8541	ACCEPT	
3		80	8	37 ~ 40	20 ~ 22	0.8571	ACCEPT	
4		100	10	35 ~ 38	18 ~ 21	0.8481	ACCEPT	
5		80	20	32 ~ 34	18 ~ 20	0.8213	FAIL	
6		0	0	50 ~ 53	0.8232	ACCEPT		
7	MARAGING STEEL (AISI NO. 465)	2.5 ~ 2.6	60	4	50 ~ 52	30 ~ 33	0.8334	ACCEPT
8		80	8	48 ~ 51	25 ~ 28	0.8301	ACCEPT	
9		100	10	45 ~ 50	24 ~ 26	0.8234	ACCEPT	
10		80	20	36 ~ 42	23 ~ 27	0.8117	FAIL	
11		0	0	43 ~ 48	0.8311	ACCEPT		
12	Fe-9Al-28Mn-1C-6Cr	2.4 ~ 2.5	60	4	43 ~ 45	27 ~ 28	0.8421	ACCEPT
13		80	8	41 ~ 43	23 ~ 26	0.8407	ACCEPT	
14		100	10	38 ~ 43	21 ~ 25	0.8333	ACCEPT	
15		80	20	35 ~ 38	20 ~ 23	0.8112	FAIL	
16	STAINLESS STEEL 17-4PH(AISI NO. 630)	2.7 ~ 2.8	0	0	34 ~ 38	0.7703	ACCEPT	
17		60	4	32 ~ 35	20 ~ 23	0.7852	ACCEPT	
18		80	8	32 ~ 34	20 ~ 22	0.7841	ACCEPT	
19		100	10	30 ~ 33	19 ~ 21	0.7742	ACCEPT	
20		80	20	28 ~ 32	19 ~ 21	0.7695	FAIL	

NOTE 1: THERE ARE 10 GOLF CLUB HEAD SAMPLES, AN IMPACT BALL VELOCITY IS 55 M/S AND EACH SAMPLE IS HIT 3000 TIMES.

NOTE 2: VALUES OF THE COEFFICIENT OF RESTITUTION, HARDNESS AND THICKNESS ARE AVERAGE OF THE 10 SAMPLES.

FIG.8

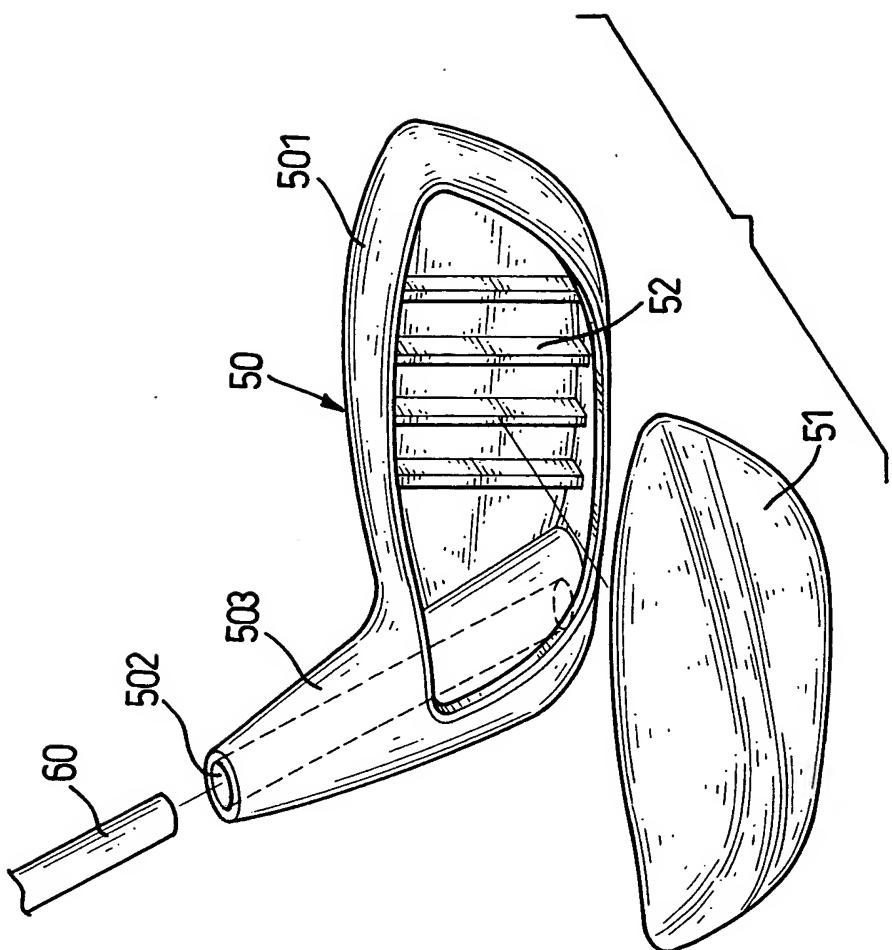


FIG. 9  
PRIOR ART

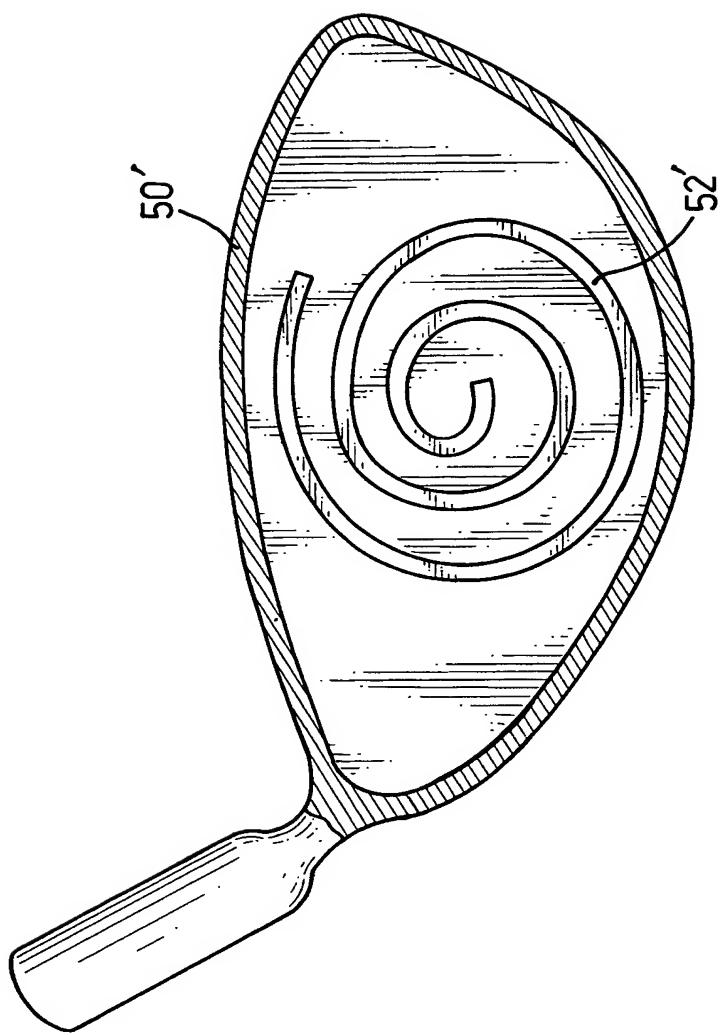
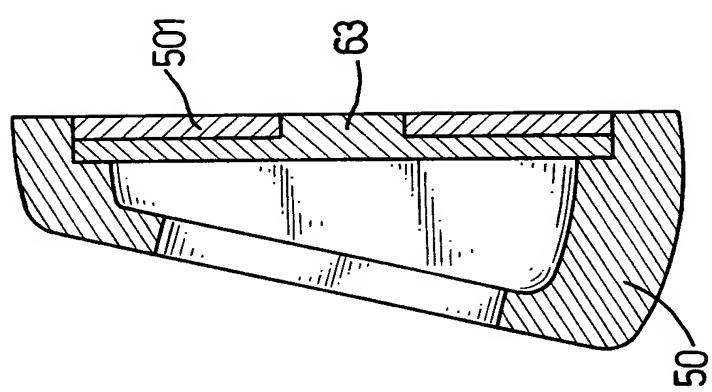


FIG. 10  
PRIOR ART



**FIG. 11**  
PRIOR ART

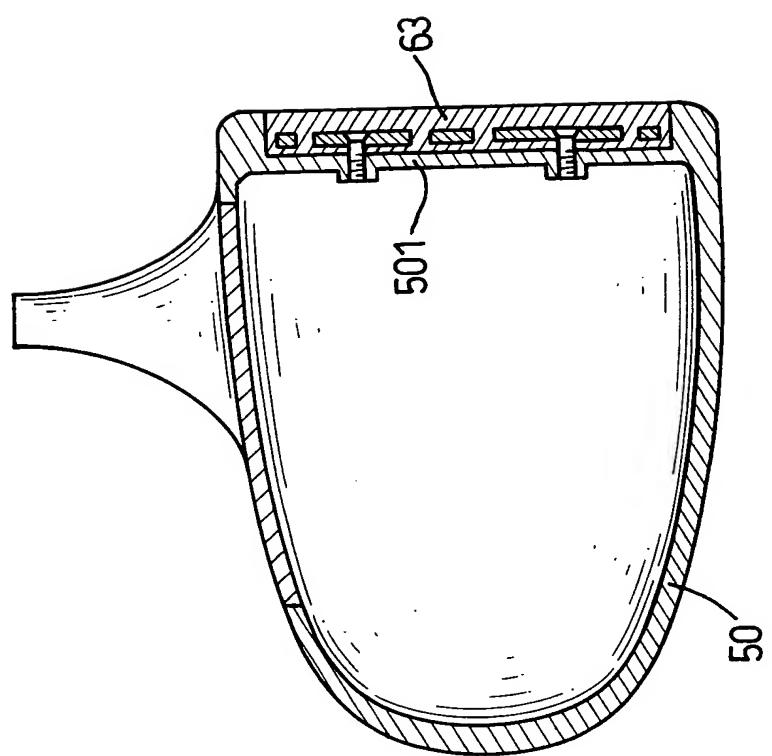


FIG.12  
PRIOR ART